



Generation of mice from which Lkb1 (stk11) or both catalytic subunits of AMPK (Prkaa1 and Prkaa2) can be conditionally deleted

TECHNOLOGY NUMBER: 5402



We used gene-targeting to generate floxed alleles of Prkaa1 and Prkaa2. Mice bearing either or both of these alleles can be bred with mice that express Cre recombination to conditionally delete Prkaa1 and/or Prkaa2 from cells of interest (depending on the Cre expression pattern). This provides a versatile tool to rigorously study the consequences of AMPK deficiency in cells.

ADDITIONAL DETAILS

Jackson <https://www.jax.org/strain/014141> <https://www.jax.org/strain/014142>

Technology ID

5402

Category

Research Tools and Reagents

Inventor

Sean Morrison

Daisuke Nakada

Further information

Emily Bowers

bowersea@umich.edu

Learn more

